

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human VEGF R1/FIt-1 in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse VEGF R1, recombinant human (rh) VEGF R2, rhVEGF R3, or rhVEGF R4. |
| Source | Monoclonal Mouse IgG ₁ Clone # 49560 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human VEGF R1/FIt-1 Ser27-His687 Accession # NP_001153392 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | HUVEC human umbilical vein endothelial cells |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Vascular Endothelial Growth Factor Receptor 1 (VEGF R1) is a receptor tyrosine kinase that is expressed primarily on endothelial cells and plays a role in vasculogenesis and angiogenesis. A soluble variant of VEGF R1 was also reported to bind VEGF and PIGF with high affinity and function as a potent VEGF antagonist.

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